

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-64  
Relating to Certification of New Motor Vehicle Engines

INTERNATIONAL HARVESTER COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following International Harvester Company 1979 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
V-392C	391	Air Injection
V-537C	537	Exhaust Gas Recirculation
V-345C	345	

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
V-392C	0.7	17	7.1	
V-537C	0.2	18	7.5	
V-345C	0.9	15	5.6	

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 30 day of October, 1978.

  
G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY GASOLINE ENGINES

Manufacturer International Harvester Company Page 1A  
 Engine Family V-392C/V-537C Engine (CID) 391/537 Calibration 1,2  
 Emission Control System AI, EGR

Code	Engine Models	Ign. Sys. Control Parameters: See below	Fuel System Type: 1 Mfg Part Number	EGR Valve Part No.	Tune-up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1,2	V-392	Prestolite 484788-C91 500160-C91 CA, VA W & W/O EI	Holley 487859-C92 4V (1) 1700290-C91	480824-C1	(1) TDC @ 675 RPM (2) 0.5 - 1.5% CO 40 RPM lean drop (3) 625 - 675 RPM
1,2 (2)	V-537	Prestolite 484794-C91 CA, EI	Holley 487864-C91 2V	440310-C1	(1) 7°BTDC @ 500 RPM (2) 1.0 - 2.0% CO 40 RPM lean drop (3) 500 - 550 RPM (MAN) 600 - 650 RPM (AUTO)

Date of Issue - 103078

Revisions:

- (1) Carburetor added per running change 7901. 111678  
 (2) Code 2 added per running change 7919. 8/24/79

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY GASOLINE ENGINESManufacturer International Harvester Company Page 1BEngine Family V-345C Engine (CID) 345 Calibration 1,2,3,4Emission Control System AI,EGR

Code	Engine Models	Ign. Sys. Control Parameters: See below	Fuel System Type: 1-2V Mfgr. Part Number:	EGR Valve Part No.	Tune-up Specifications (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1,2	V-345	Prestolite 484786-C91 500159-C91 CA, w & w/o EI	Holley 487858-C91	472207-C1	(1) TDC @ 675 RPM (2) 1.0 - 3.0% CO 110 RPM Lean drop (3) 625 -675 RPM (MAN)
3,4		Prestolite 484785-C91 500142-C91 CA,VA, w & w/o EI	Holley 487857-C91	480825-C1	(1) 5° BTDC @ 675 RPM (2) 0.5 - 1.5% CO 60 RPM lean drop (3) 625 - 675 RPM (MAN)

Date of Issue -